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RED, GREEN AND BLUE COLOR SELECTION

Channels 1、2、3、4and 5 control the intensity ratio of each of the Red, Green, Blue & White LEDs. Channels 1、2、3、4and 5 can be combined together to create over 4.2 billion color combinations.

STROBE

Channel 6 controls the strobe of Channels 1 through 4, Channel 7 has priority over Channels 2、3 & 4. Speed of the strobe is adjustable from 0 to 20Hz

ID ADDRESS SELECTION

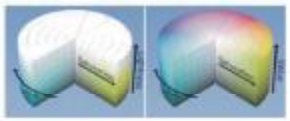
Use channel 11 to select ID addressed fixtures, Each independent DMX address can have up to 66 ID addressed fixtures. ID address“0” allows control of all fixtures simultaneously.

AUTO&CUSTOM PROGRAMS

Channel 8 selects the preset Auto/Custom programs 1~10When activating the Auto/Custom programs, it is then possible to control the Step time and Fade time by using Channels 2 & 3 respectively.

HSV	channel	value	function
	1	0-255	Hue (0%-100%)
	2	0-255	Saturatin (0%-100%)
	3	0-255	Value (0%-100%)

Note:In HSV mode,Hue stands for the visible light,such as red yellow, and cyan etc.Saturatin refers to the dominance of hue in the color;when saturation is at 100%,then the color is at its purest.Value is the color's brightness;when value is at 100%,then the color is at its brightest



Art.1	channel	value	function
	1	0-255	Red (0%-100%)
	2	0-255	Green (0%-100%)
	3	0-255	Blue (0%-100%)

Art.d	channel	value	function
	1	0-255	Dimmer (0%-100%)
	2	0-255	Red (0%-100%)
	3	0-254	Green (0%-100%)
	4	0-255	Blue (0%-100%)

Arc.2	channel	value	function
	1	0-255	Red (0%-100%)
	2	0-255	Green (0%-100%)
	3	0-255	Blue (0%-100%)
	4	0-255	White (0%-100%)

Arc2.d	channel	value	function
	1	0-255	Dimmer (0%-100%)
	2	0-255	Red (0%-100%)
	3	0-254	Green (0%-100%)
	4	0-255	Blue (0%-100%)
	5	0-255	White (0%-100%)

Arc2.s	channel	value	function
	1	0-255	Dimmer (0%-100%)
	2	0-255	Red (0%-100%)
	3	0-254	Green (0%-100%)
	4	0-255	Blue (0%-100%)
	5	0-255	White (0%-100%)
	6	0-255	Strobe (0%-100%)

DMX Primer

There are 512 channels in a DMX-512 connection. Channels may be assigned in any manner.

A fixture capable of receiving DMX512 will require one or a number of sequential channels. The user must assign a starting address on the fixture that indicates the first channel reserved in the controller. There are many different types of DMX controllable fixtures and they all may vary in the total number of channels required. Choosing a start address should be planned in advance.

Channels should never overlap, if they do, this will result in erratic operation of the fixtures whose starting address is set incorrectly. You can however control multiple fixtures of the same type using the same starting address as long as the intended result is that of unison movement or operation. In other words, the fixtures will be slaved together and all respond exactly the same.

DMX fixtures are designed to receive data through a serial daisy chain. A daisy chain connection is when the data out of one fixture connects to the data in of the next fixture. The order in which the fixtures are connected is not important and has no effect on how a controller communicates to each fixture. Use an order that provides for the easiest and most direct cabling. Connect fixtures using shielded two conductor twisted pair cable with three pin XLR male to female connectors. The shield connection is pin 1, while pin 2 is data negative (S-) and pin 3 is data positive (S+).

Stage Line®

LED WALL WASHER

ODW-2410RGBW

Order No. 38.6790

CE

INSTRUCTION MANUAL

Safety Precautions

- Disconnect from main power before making any type of connection.
- Do not remove the cover under any conditions, there are no user serviceable parts inside.
- Never operate this unit when the cover is removed.
- Never plug this unit in to a dimmer pack.
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15 cm) between this device and a wall.
- Do not attempt to operate this unit if it becomes damaged.
- During long periods of non-use, disconnect the unit's main power.
- Always mount this unit in safe and stable matter.
- Power-supply cords should be routed so that they ate not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point they exit from the unit.
- Cleaning-The fixture should be cleaned only as recommended by the manufacturer.
- Heat-The appliance should be situated away from heat sources such as radiators, heat registers, stoves or other appliances (including amplifiers) that produce heat.
- The fixture should be serviced by qualified service personnel when:
  A. The power-supply cord or the plug has been damaged.
  B. Objects have fallen or liquid has been spilled into the appliance.
  C. The appliance has been exposed to rain or water.
  D. The appliance does not appear to operate normally or exhibits a marked change in performance
- Do not daisy chain power to more than 10 units @ 120V and 20 units @ 230V.
- To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- There are no user serviceable parts inside this unit. Do not attempt any repairs yourself; doing so will void your manufactures warranty.

If the unit is to be put out of operation definitively, take it to a local recycling plant for a disposal which is not harmful to the environment.

LED Expected Lifespan

LEDs gradually decline in brightness over time. HEAT is the dominant factor that leads to the acceleration of this decline. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal or singular optimum conditions. For this reason when all color LEDs are used at their fullest intensity, life of the LEDs is significantly reduced. It is estimated that a viable lifespan of 40,000 to 50,000 hours will be achieved under normal operational conditions. If improving on this lifespan expectancy is of a higher priority, place care in providing for lower operational temperature. This may include climatic-environmental and the reduction of overall projection intensity.

DMX512 Channel Values

This Product has 7 configurations of DMX512 channel (STAG, Arc.1, Ar1.d, Arc.2, Ar2.d, Ar2.s and HSV).

STAG	channel	value	function
	1	0-255	Dimmer (0%-100%)
	2	0-255	Red (0%-100%) Setptime shen Pr.01~10 is enable
	3	0-254	Green (0%-100%) fade time when Pr.01~10 is enable
	4	0-255	Blue (0%-100%)
	5	0-255	White (0%-100%)
	6	0-10	no function
		11-20	R100%/Gup/B0%/W0%
		21-30	Rdown/G100%/B0%/W0%
		31-40	R0%/G100/Bup0%/W0%
		41-50	R0%/Gdown/B100%/W0%
		51-60	Rup/G0%/B100%/W0%
		61-70	R100%/G0%/Bdown/W0%
		71-80	R100%/G0%/B0%/W0%
		71-80	R100%/G0%/B0%/W0%
		81-90	R100%/G0%/B0%/Wdown
		91-100	R↑/G↓/B0%/W0%→R↓/G↑/B0%/W0%
		101-110	R↑/G0%/B↓/W0%→R↓/G0%/B↑/W0%
		111-120	R0%/G↑/B↓/W0%→R0%/G↓/B↑/W0%
		121-130	R↑/G↑/B↓/W0%→R↓/G↓/B↑/W0%
		131-140	R↑/G↓/B↓/W0%→R↓/G↑/B↑/W0%
		141-150	R↑/G↓/B↑/W0%→R↓/G↑/B↓/W0%
		151-160	R↑/G0%/B↓/W0%→R↓/G↑/B0%/W0%→R0%/G↓/B↑/W0%
		161-170	R↑/G100%/B↓/W0%→R100%/G↓/B↑/W0%→R↓/G↑/B100%/W0%
		171-180	R↓/G↑/B0%/W0%→R0%/G↓/B↑/W0%→R0%/G0%/B↓/W↑→ R↑/G0%/B0%/W↓
		181-190	R0%/G100%/B↓/W0%→R↑/G100%/B0%/W0%→R100%/G↓/B0%/W0%→ R100%/G0%/B↑/W0%→R↓/G0%/B100%/W0%→R0%/G↑/B100%/W0%
		191-200	RGBW
		201-205	White 1
		206-210	White 2
		211-215	White 3
		216-220	White 4
		221-225	White 5
		226-230	White 6
		231-235	White 7
		236-240	White 8
		241-245	White 9
		2461-250	White 10
		251-255	White 11
	7	0-255	Speebe when channel 6 is enable
		0-15	Nop
		16-255	Strobe(0Hz-20Hz
	8	0-9	Nop
		10-19	Auto 1
		20-29	Auto 2
		30-39	Auto 3
		40-49	Auto 4
		50-59	Auto 5
		60-69	Auto 6
		70-79	Auto 7
		70-79	Auto 8

channel	value	function
8	50-59	Auto 5
	60-69	Auto 6
	70-79	Auto 7
	80-89	Auto 8
	90-99	Auto 9
	100-109	Auto 10
	110-119	programe 1
	120-129	programe 2
	130-139	programe 3
	140-149	programe 4
	150-159	programe 5
	160-169	programe 6
	170-179	programe 7
	180-189	programe 8
	190-199	programe 9
	200-255	programe 10
9	0-255	Speed when auto is enable
10	0-49	off dimmer speed
	50-99	dimmer speed 1
	100-149	dimmer speed 2
	150-199	dimmer speed 3
	200-255	dimmer speed 4

Channel 11(Id address set)

0-9	all Ids	210	Id21	231	Id42	252	Id63
10-19	Id1	211	Id22	232	Id43	253	Id64
20-29	Id2	212	Id23	233	Id44	254	Id65
30-39	Id3	213	Id24	234	Id44	253	Id66
40-49	Id4	214	Id25	235	Id46		
50-59	Id5	215	Id26	236	Id47		
60-69	Id6	216	Id27	237	Id48		
70-79	Id7	217	Id28	238	Id49		
80-89	Id8	218	Id29	239	Id50		
90-99	Id9	219	Id30	240	Id51		
100-109	Id10	220	Id31	241	Id52		
110-119	Id11	221	Id32	242	Id53		
120-129	Id12	222	Id33	243	Id54		
130-139	Id13	223	Id34	244	Id55		
140-149	Id14	224	Id35	245	Id56		
150-159	Id15	225	Id36	246	Id57		
160-169	Id16	226	Id37	247	Id58		
170-179	Id17	227	Id38	248	Id59		
180-189	Id18	228	Id39	249	Id60		
190-199	Id19	229	Id40	250	Id61		
200-209	Id20	230	Id41	251	Id62		

Important Notes about STAG DMX Operation

MASTER DIMMER

Channel 1 controls the intensity of the currently projected color. When the slider is at the highest position（255），then the intensity of the output is at the maximum.

BEFORE YOU USING

What is included

- light x1
- Power cable with plug x 1
- DMX input cable x 1
- User Manual x 1

Unpacking

Thank you for purchasing the equipment. Every equipment been thoroughly tested and has been transported in perfect operating condition. Carefully check the carton for damage that may have occurred during transporting. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact, carefully unpack the carton, check the contents to ensure that all parts are present, and have been received in good condition.

AC Power

This fixture has an auto-switching power supply that can accommodate a wide range of input voltages. The only thing necessary to do before powering on the unit is to make sure the line voltage you are applying is within the range of accepted voltages. This fixture will accommodate between 100V and 240V AC 50-60 Hz. All fixtures must be powered directly off a switched circuit and cannot be run off a rheostat (variable resistor or dimmer circuit, even if the rheostat or dimmer channel is used solely for a 0% to 100% switch.

Safety Precautions

Please read these instructions carefully, which includes important information about the installation, usage and maintenance of this product.

- Please keeps this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- Do not spill water or other liquids into or on to your unit. Be sure that the local power outlet match that of the required voltage for your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.

STAG	channel	Description
	1	Dimmer
	2	Red (set the step time when pr.01~10 is set)
	3	Green (set the step time when pr.01~10 is set)
	4	Blue
	5	White
	6	Color changge/white balance
	7	Strobe
	8	Auto/custom programe
	9	Speed of auto
	10	Dimmer speed
	11	ID address

Arc.1	channel	Description
	1	Red
	2	Green
	3	Blue

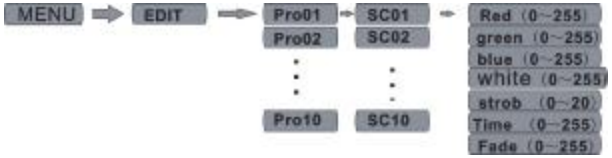
Ar1.d	channel	Description
	1	Dimmer
	2	Red
	3	Green
	4	Blue

Arc.2	channel	Description
	1	Red
	2	Green
	3	Blue
	4	White

Ar2.d	channel	Description
	1	Dimmer
	2	Red
	3	Green
	4	Blue
	5	White

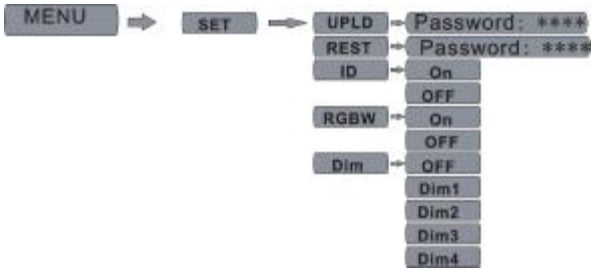
【ID】

Enter the 【ID address】mode to set the ID ADDRESS



【EDIT CUSTOM】

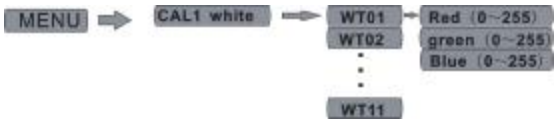
- Enter the 【EDIT】mode to edit the custom programs【PR.01】to【PR.10】
- Each custom program has 30 steps that can be edited.
- Each step allows the creation of a scene using RED【0~255】, & FADE【0~255】.BLUE【0~255】, WHITE【0~255】, STROBE【0~20】, TIME【0~255】&FADE【0~255】Then the data will be saved, when you press the ENTER button for 5 seconds



【SETTING】

- Choose【UPLD】to upload the custom programs from the current MASTER until the SLAVE units.
- In order to activate the upload function the password must be entered.
- Password is the same as the main access password.
- when uploading the SLAVE units will display YELLOW. If an error occurs when uploading the SLAVE units will display RED.
- On successful uploading of the custom programs the SLAVE units will display GREEN. In order to reset custom modes to default values select【REST】.
- Enter【ID】in order to allow/disallow ID address function from the DMX512 controller.

When【RGBW】--RGB TO WHITE is set to【YES】, on RGB=255,255,255, the color is perfect white as the actual RGB values are adjusted to make white. When it is set to【NO】, on RGB=255,255,255, the RGB values are not adjusted and the output is most powerful. The【RGBW】s parameter can be adjusted in CAL2. Enter 【Dim】to select dimmer mode and dimmer speed When DIMMER is set to 【off, then RGBW and MASTER DIMMER are linear. The Dim 1/2/3/4 are speed modes of the non-linear dimmer,【Din1】is the faster, while【Dim4】is the slowest. The 【Dim】setting here does not react on the STAG】 mode.



【CAL1】

● Enter the 【CAL1】to select white color of different color temperature.

●There are 11 pre-programmed White colors can be edited by using 【Red】,【Green】& 【Blue】

【CAL2】

● Enter the 【CAL2】to adjust the RGB parameter to make different whites.

● When the new setting is activated, the DMX controller choose RGB=255,255,255, the white color will be made by the actual RGB values on the【CAL2】.

【KEYLOCK】

● Enter the 【KEYLOCK】mode to select whether the access password is on or off.

● In order to enter access password it is necessary to first press【ENTER】.

● Access password is【UP】+【DOWN】+【UP】+【DOWN】.

INTRODUCTION

Features

● Features

3,4,5,6 or 11-channel DMX-512 LED wash light (with ID addressing) Operating modes

3-channel: RGB control

3-channel: HSV control (hue, saturation and value)

4-channel: RGB, dimmer

4-channel: RGBW control

5-channel: RGBW, dimmer

6-channel: RGBW, dimmer, strobe

11-channel: RGBW, ID, dimmer, strobe, auto, auto speed, custom, programme, dimmer speed RGB color mixing

● Light Source: 24 x 8W 4 in 1 high power LEDs

● Life: 800000 hours

● Lens: Standard 45 °

● Color Changing, Color mixing, Strobe, Dim 0%-100%,speed adjustment, etc. DMX 512/Auto Run/Master Slave

● Material: Aluminum body

● Protection rating: IP66

● Power consumption: 200W

● Voltage: 110V-240V 50Hz/60Hz

● Power supply: Built-in and auto switching

● Size: L427 x W196 x H190mm

● Net Weight: 12.5Kg

● GW: 13.5Kg

DMX Channel Summary

This Product has a total of 7configurations of DMX channel, referred to as “Personalities” this manual and in the fixture onboard control board. The 7 personalities are 【STAG, Arc. 1, Ar1. d, Arc.2, Ar2.d, Ar2.s, and HSV】Each of the different personalities can be accessed from the control panel. Please see section on “Control Panel Functions” on a description on how to accomplish this.

STEUP

Power Supply

Before plugging your unit in, be sure the source voltage in your area matches the required voltage for your equipment. This fixture has an auto-switching switch-mode power supply that can accommodate a wide range of input voltages. The only thing necessary to do before powering on the unit is to make sure the line voltage you are applying is within the range of accepted voltages. This fixture will accommodate between 100V and 240V AC 50-60Hz. All fixtures must be powered directly off a switch. This fixture is designed for power linking from one equipment to another this fixture. Each fixture ships with IP-65 proprietary power input cables. Each fixture ships with a power adapter to Male Edison connector.

All fixtures must be connected to circuits with a suitable Earth Ground. Depending on the application, the lighting fixture may require a different connector Please refer to the below wire color code if installing a new connector.

Wire	Connection	Pin
Brown	AC Live	1
Blue	AC Neutral	2
Green/Yellow	AC Ground	3

Mounting

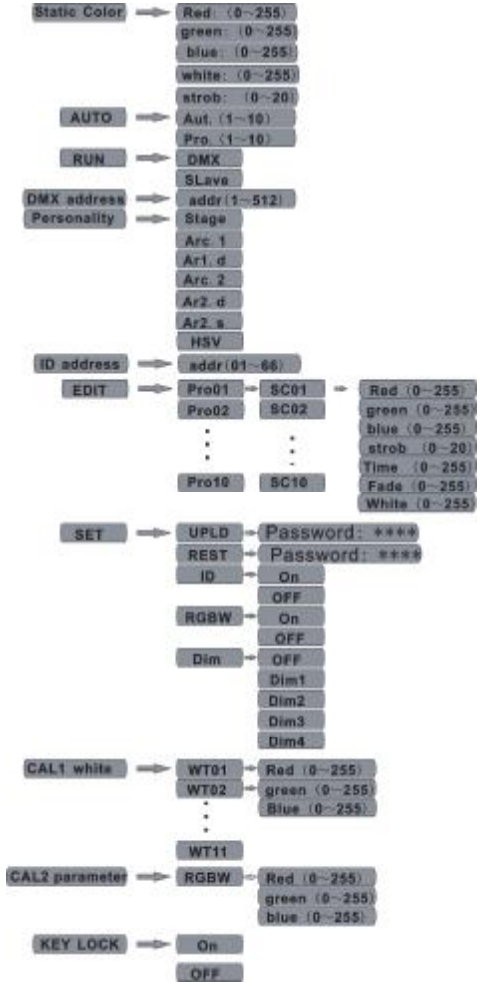
This fixture may be mounted in any safe position.

This fixture includes a mounting yoke to which a rigging clamp can be attached. You must supply your own clamp and make sure the clamp is capable of supporting the weight of this fixture. It is recommended to use at least 2 mounting points per fixture. You can order “C” and “O”-clamps.

Note: There are 2 types of applications for this fixture; floor stand for up lighting and overhead use for down lighting. If you are using this fixture for up lighting, then you must use at least 1 safety cable/chain for each fixture in addition to the mounting brackets.

1、If hanging the fixture for overhead use, then please follow the below steps.
2、Block access below the work area and use suitable and stable platform when installing or servicing fixture.
3、Safety cables must always be used, secured through safety cable attachment. The safety cable must be capable of holding 10 times the weight of the fixture.
4、Verify the structure can hold 10 times the weight of all to-be installed fixtures. After prolonged
period of operation, the fixture chassis may reach high temperatures. This fixture must be mounted in a ventilated location, as it is convection cooled.

BUTTON	FUNCTION
MENU	Edits from the current menu or function
UP	Navigates upwards through the menu list and increases the numeric value when in a function
DOWN	Navigates downwards through the menu list and increases the numeric value when in a function
ENTER	Enables the currently displayed menu or sets the currently selected value in to the selected function



【STATIC COLOUR】

- Combine【Red】,【Green】,【Blue】 and【White】to create an infinite range of colors(0-255)
- Set the value of the 【Strobe】(0-20Hz)

【AUTO】

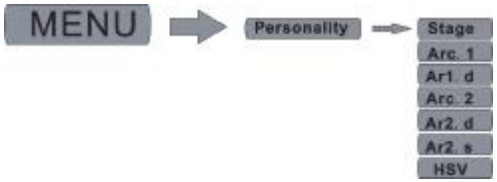
- Select the target【AUTO】program and press【ENTER】
- Programs【Aut.01】to【Aut.10】are fully pre-programmed and will not be altered by changes in【EDIT】mode.
- Programs 【Pro.01】to【Pro.10】are fully pre-programmed and can be edited in【EDIT】mode.

【RUN】

- Enter the【RUN】mode to set working mode
- 【DMX】mode is for using the DMX512 controller to control the fixtures.
- 【SLave】mode is for Master--Slave operation

【DMX】

- Enter the【DMX address】mode to set the DMX ADDRESS



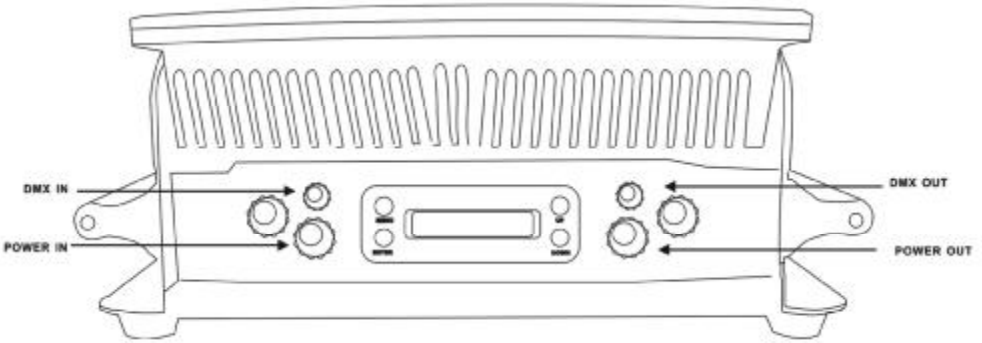
【PERSONALITY】

- Enter the【PERSONALITY】mode to select DMX mode: 【STAG】, 【Arc.1】,【Ar1.d】
- 【Arc.2】, 【Ar2.d】, 【Ar2.s】or【HSV】

Ar2.S	channel	Description
	1	Dimmer
	2	Red
	3	Green
	4	Blue
	5	White
	6	Strobc

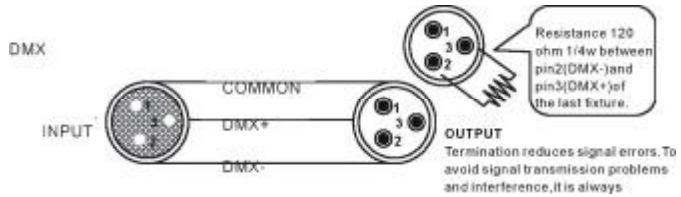
HSV	channel	Description
	1	Hue
	2	Staturation
	3	Value(brightness

Product Overview



CABLE CONNECTORS

Cabling must have male XLR connector on one end and a female XLR connector on the other end.



CAUTION Do not allow contact between the common and the fixture's chassis ground. Grounding the common and cause a ground loop, and your fixture may perform erratically .Test cables with an ohmmeter to verify correct polarity and to make sure the pins are not grounded or shorted to the shield or each other.

3-PIN TO 5-PIN CONVERSION CHART

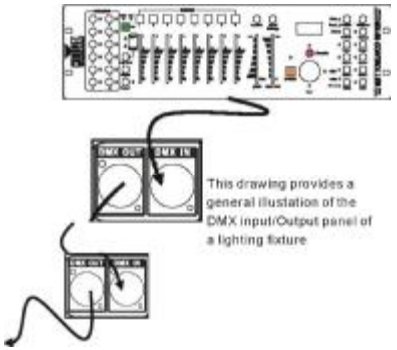
Note! If you use a controller with a 5 pin DMX output connector you will need to use a 5 pin to 3
pin adapter. The chart below details a proper cable conversion:

3PIN TO 5PIN CONVERSION CHART

Conductor	3pin Female(output)	5pin Male(Input)
Ground/Shield	Pin1	Pin1
Data(-)signal	Pin2	Pin2
Data(+)signal	Pin3	Pin3
Do not use		Do not use
Do not use		Do not use

Setting up a DMX Serial Data Link

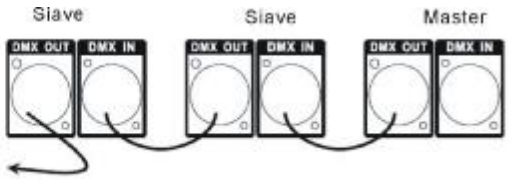
1. Connect the (male) 3 pin connector side of the DMX cable to the output (female) 3 pin connector of the controller
2. Connect the end of the cable coming from the controller, which will have a (female) 3 pin connector to input connector of the next fixture consisting of a (male) 3 pin connector.
3. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.



Master/Slave Fixture Linking

1. Connect the (male) 3 pin connector side of the DMX cable to the output (female) 3 pin connector of the first fixture.
2. Connect the end of the cable coming from the first fixture which will have a (female) 3 pin connector to the input connector of the next fixture consisting of a (male) 3 pin following fixture and soon.

Often the setup for Master Slave and Standalone operation requires for this purpose via either settings in the control or DIP-switches Secondarily the fixtures that follow may also require a slave seting Please consult the Oper for complete instructions for this type of setup and configuration



OPERATING INSTRUCTIONS

Control Options

This Product is address able in the DMX range of 001 to 512.in its simplest control form, this allows for the control of up to 56 fixtures in the 11-channel"SATG"personality;however, a secondary "ID" address system exists for use in a limited DMX universe and architectural environments. The "ID" address system allows the user to assign up to 66 fixtures within the same DMX address; in effect, multiplying the control of equipment within a single universe to 3,696 fixtures. This Product "ID" address system is accessed using DMX channel 11 [STAG]. Consideration must be placed when programming live performances or cues that need to trigger on demand or on a time line. So, to remain within one second execution time, program no greater than 10 fixtures on ID addressing per DMX channel.

Control Quick Setup

For detailed instructions on display panel operations and functions please advance to the section titled; "Display Panel Functions". These steps assume that you have read and are familiar with setting up a DMX serial data link.

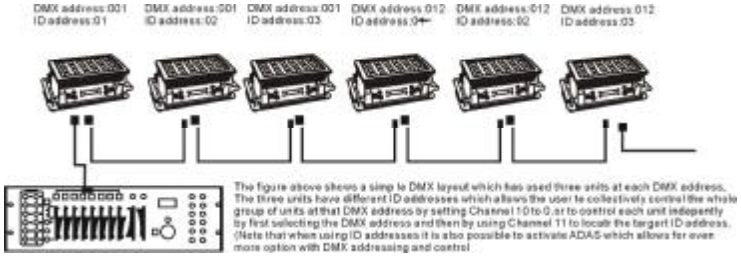
DMX-512 control without "ID" address

This Product operates on 11 channels of DMX (STAG personality). Address each fixture in increments of 10 channels (I.e.1.11,21,31,etc...) to save time you can use the same DMX address for each fixture. All fixtures will then respond simultaneously to control. You may also group your fixtures and address those groups alike for faster programming and control.

1. Access the control panel function by pressing the “MENU” button until the' RUN MODE' is displayed. Press “ENTER” and use the “UP/DOWN” buttons to select 'DMX' function. Then, press “MENU” until 'DMX512 ADDRESS' is displayed, Use the “UP/DOWN” buttons to increase or decrease channels between 001 and 512.
2.Press “ENTER” button to confirm action. Then press “MENU” to exit. Deactivate ID addressing in each fixture by setting panel function “ID ON /OFF” to OFF.

DMX-512 addressing with ID address

1. Follow instructions 1 for DMX512 addressing.
2. Activate ID addressing in each fixture by setting panel function “ID ON /OFF” to ON Settings to ‘’ ID ON /OFF” to “ON” For every DMX512 starting address the user can set 66 separate ID
   addresses. Set ID addresses in each fixture by setting panel function “ID address” to increment values.(1.e.1,12,24,36 etc...) settings to address to 01-66.

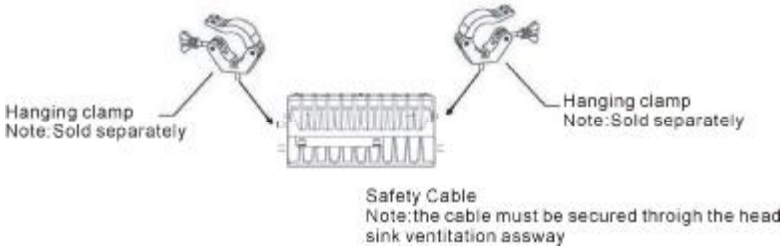

DMX address:001
ID address:01
DMX address:001
ID address:02
DMX address:001
ID address:03
DMX address:012
ID address:01
DMX address:012
ID address:02
DMX address:012
ID address:03
The figure above shows a simple DMX layout which has used three units at each DMX address. The three units have different ID addresses which allows the user to collectively control the whole group of units at that DMX address by setting Channel 1 0 to 0 ,or to control each unit indepently by first selecting the DMX address and then by using Channel 11 to locate the targert ID address. (Note that when using ID addresses it is also possible to activate ADA5 which allows for even more option with DMX addressing and control

Setting the DMX address

Each fixture requires a start address from 1 to 512.a fixture requiring one or more channels for control begins to read the date on the channel indicated by the start address. For example a fixture that occupies or uses 5 channels of DMX and was addressed to start on DMX channel 100, would read data from channels 100,101,102,103 and 105.choose start addresses so that the channels sued do not overlap and note the start address selected for future reference. This product uses up to 11channnels of DMX. If this is your first time using DMX, we recommend reading the DMX primer in the appendix section.

Control Panel Functions

All fixture functions and settings are accessible via the built-in control panel interface.



Fixture Linking

You will need a serial data link to run light shows of one or more fixture using a DMX-512 controller to run synchronized shows on two or more fixtures set to a master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixture the data link can support.

Important: Fixtures on a serial data link must be daisy chained in one single line. To comply with the EIA-485 standard no more than 32 devices should be connected on one data link. Connecting more than 32 fixtures on one serial data link without the use of a DMX optically-isolated splitter may result in deterioration of the digital DMX signal. Maximum recommended serial data link distance: 500 meters (1640ft) maximum recommended number of fixtures on a serial data link: 32 fixtures

Data Cabling

To link fixtures together you must obtain data cables. You can purchase certified DMX cables directly from a dealer/distributor or construct your own cable. If you choose to create your own cable please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.